RECORD

BOLT CUTTERS

MADE IN ENGLAND BY

C. & J. HAMPTON LTD

RECORD TOOL WORKS

SHEFFIELD - 2

RECORD CUTTERS

For cutting Bolts, Rods, Wire, Wire-rope, and Chains, and for Splitting Nuts

General Use.—The Record Cutter is well known as a Hand Tool of great utility, covering a wide range of uses both in the workshop and in the field. The tool and its many applications are described in the following pages to assist the user in selecting the right type of Cutter for his work.

Design and Materials.—The powerful cutting action of the Jaws is produced by the effect of the long leverage on the Handles and the power multiplying action of the Toggle Joint being concentrated in the small movement of the Jaws: the Mechanical Advantage being approximately 80 to 1. The loss due to friction is reduced to a minimum in Record Cutters as all the essential bearing parts are machined and ground and hardened components fitted where necessary. The Cutters are of high grade materials and workmanship throughout and are guaranteed against defect. The Jaws are of Special Tool Steel heat-treated under strict control. They are precision ground on each side and on the Cutting Edges and each Jaw is tested and proved beyond normal capacity before leaving the Factory. The Straps are of Heat-treated Steel and are ground all over to ensure perfect adjustment and smooth operation.

Record Cutters are fitted with Drop-Forged Steel Handles and with Short Adjusting Arms, giving considerably greater strength and durability. **This type of Handle Unit is now universal to all sizes and will accommodate all types of Jaws** which greatly facilitates the stocking of Spare Parts.

Types of Jaws.—The various types of Jaws with examples of material to be cut are clearly shown on pages 2 and 3.

Centre Cut Jaws have the strongest form of cutting edge and **are recommended for general use.**

Clipper Cut Jaws are supplied where close cutting is essential.

Users of Record Cutters can have expert advice on the most suitable Jaws for their work in which cases samples of material should be submitted for test purposes.

RECORD CUTTERS

TYPES OF JAWS

Centre Cut Jaws.
The strongest form of cutting edge. **Recommended for general use.**

Marked—Tool No. and CC

Clipper Cut Jaws.
For general purposes **where close cutting is essential.**

Marked—Tool No. only.

Angular Cut Jaws.
Cutting edges are set at 30° to the body of the Tool. For use where straps on Clipper Cut prevent close cutting.

Marked—Tool No. and AC

End Cut Jaws.
Nipper type. Suitable for cutting short ends of bolts, etc.

Marked—Tool No. and EC

High-Tensile Cutting Jaws.
Specially heat-treated for cutting very hard materials, with a short cutting edge to accommodate chain links.

Marked—Tool No. and HT

Soft Chain Cutting Jaws.
Short cutting edge to accommodate chain links.

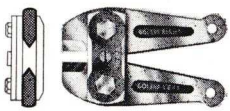
Marked—Tool No. and SCC

Shear Cut Jaws.
Operate on the shear principle. An adjustable finger keeps the work at right angles to the cutting edge.

Marked—Tool No. and S

Side Nut Splitting Jaws.
For splitting nuts along the axis of the bolt. Can be adjusted to split Nuts without damage to the thread on the bolts.

Marked—Tool No. and SNS



All the above jaws are interchangeable.

RECORD CUTTERS

TYPES OF JAWS

Select the right type of Jaw for the work.

When cutting hard materials choose a tool of ample capacity.

Keep the tool correctly adjusted and oiled. Cut straight. DO NOT TWIST or WRENCH.

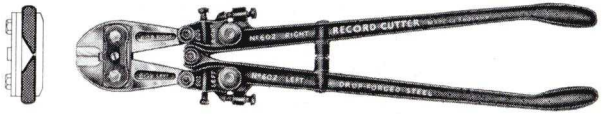
If in doubt send a sample of material and we will recommend a suitable cutter.

Types of jaws	Examples of Material to be cut
Centre Cut	**For general use having the strongest form of cutting edge.** Medium Tensile Bolts, Rods, etc. Annealed tool steel and spring wire. Stainless iron and steel. Concrete reinforcing Rods. Maximum tensile strength 65 tons per square inch.
Clipper Cut **Angular Cut** **End Cut** ...	**Where close cutting is required.** Mild Steel Bolts, Rods, etc. Aluminium, Brass, Copper and other non-ferrous metals. Maximum tensile strength 45 tons per square inch.
High-Tensile Cut ... *(Not to be used for soft materials)*	High-Tensile wire for pre-stressed concrete. High-Tensile Bolts, Rods, etc. Cold drawn alloy steel wire. Tempered spring wire. Case-hardened Chain.
Soft Chain Cut ...	Unhardened chain. Maximum tensile strength 65 tons per square inch.
Shear Cut	Stranded guy wire, wire ropes and cables, steel cored conductor wire, flat steel bars. Maximum tensile strength 100 tons per square inch.
Side Nut Splitter...	All types of Nuts. Maximum tensile strength 45 tons per square inch.
Battery Cutter ...	Specially elongated Jaws suitable for cutting storage battery plates.

RECORD BOLT CUTTERS

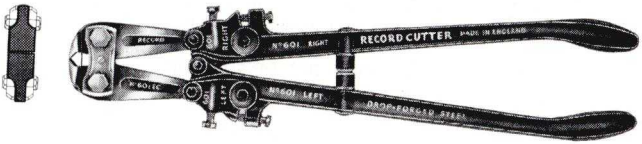
DROP-FORGED STEEL HANDLES

With Centre Cut Jaws



With Clipper Cut Jaws

With Angular Cut Jaws



END CUTTER

RECORD BOLT CUTTERS

With Centre Cut Jaws

Tool Number	To Cut Bolts on Threads Inches Diam.	Normal Cutting Capacity Steel Rods Inches Diam.	Length Overall Inches	Approximate Weight Pounds
610-CC	$\frac{3}{16}$	$\frac{1}{8}$	10	$1\frac{3}{4}$
614-CC	$\frac{1}{4}$	$\frac{3}{16}$	14	$2\frac{1}{2}$
600-CC	$\frac{5}{16}$	$\frac{1}{4}$	18	4
601-CC	$\frac{3}{8}$	$\frac{5}{16}$	24	$6\frac{1}{2}$
602-CC	$\frac{1}{2}$	$\frac{3}{8}$	30	$9\frac{3}{4}$
603-CC	$\frac{5}{8}$	$\frac{1}{2}$	36	$13\frac{3}{4}$
604-CC	$\frac{3}{4}$	$\frac{5}{8}$	42	20

With Clipper Cut Jaws

610	$\frac{3}{16}$	$\frac{1}{8}$	10	$1\frac{3}{4}$
614	$\frac{1}{4}$	$\frac{3}{16}$	14	$2\frac{1}{2}$
600	$\frac{5}{16}$	$\frac{1}{4}$	18	4
601	$\frac{3}{8}$	$\frac{5}{16}$	24	$6\frac{1}{2}$
602	$\frac{1}{2}$	$\frac{3}{8}$	30	$9\frac{3}{4}$
603	$\frac{5}{8}$	$\frac{1}{2}$	36	$13\frac{3}{4}$
604	$\frac{3}{4}$	$\frac{5}{8}$	42	20

With Angular Cut Jaws

601-AC	$\frac{3}{8}$	$\frac{5}{16}$	24	$6\frac{1}{2}$
603-AC	$\frac{5}{8}$	$\frac{1}{2}$	36	$13\frac{3}{4}$

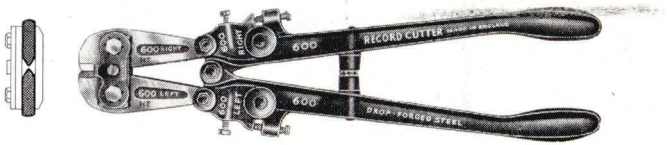
END CUTTERS

614-EC	$\frac{1}{4}$	$\frac{3}{16}$	14	$2\frac{1}{2}$
601-EC	$\frac{3}{8}$	$\frac{5}{16}$	24	$6\frac{1}{2}$
603-EC	$\frac{5}{8}$	$\frac{1}{2}$	36	$13\frac{3}{4}$

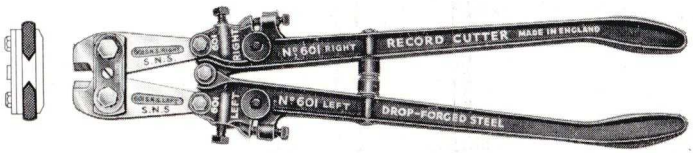
Spare Parts on Pages 10 and 11

RECORD BOLT CUTTERS

DROP-FORGED STEEL HANDLES



HIGH-TENSILE WIRE CUTTER



SIDE NUT SPLITTER

SHEAR CUTTER

RECORD BOLT CUTTERS

HIGH-TENSILE WIRE CUTTER and Case-Hardened Chain

Tool Number	To Cut High-Tensile Steel Rods Inches Diam.	To Cut Chain Links Inches Diam.	Length Overall Inches	Approximate Weight Pounds
610-HT	$\frac{1}{16}$	$\frac{1}{8}$	10	$1\frac{3}{4}$
614-HT	$\frac{1}{8}$	$\frac{3}{16}$	14	$2\frac{1}{2}$
600-HT	$\frac{3}{16}$	$\frac{1}{4}$	18	4
601-HT	$\frac{1}{4}$	$\frac{5}{16}$	24	$6\frac{1}{2}$
602-HT	$\frac{5}{16}$	$\frac{3}{8}$	30	$9\frac{3}{4}$
603-HT	$\frac{3}{8}$	$\frac{7}{16}$	36	$13\frac{3}{4}$
604-HT	$\frac{7}{16}$	$\frac{1}{2}$	42	20

SOFT CHAIN CUTTERS

Tool Number	To Cut Chain Links, Inches Diam.	Length Overall Inches	Approximate Weight Pounds
610-SCC	$\frac{1}{8}$	10	$1\frac{3}{4}$
614-SCC	$\frac{3}{16}$	14	$2\frac{1}{2}$
600-SCC	$\frac{1}{4}$	18	4
601-SCC	$\frac{5}{16}$	24	$6\frac{1}{2}$
602-SCC	$\frac{3}{8}$	30	$9\frac{3}{4}$
603-SCC	$\frac{1}{2}$	36	$13\frac{3}{4}$
604-SCC	$\frac{5}{8}$	42	20

SIDE NUT SPLITTERS

Tool Number	To Split Nuts Sizes, Inches	Length Overall Inches	Approximate Weight Pounds
614-SNS	$\frac{1}{4}$	14	$2\frac{1}{2}$
600-SNS	$\frac{5}{16}$	18	4
601-SNS	$\frac{3}{8}$	24	$6\frac{1}{2}$
602-SNS	$\frac{1}{2}$	30	$9\frac{3}{4}$
603-SNS	$\frac{5}{8}$	36	$13\frac{3}{4}$
604-SNS	$\frac{3}{4}$	42	20

SHEAR CUTTERS

Tool Number	To Cut Soft Wire Rope and Cable Diam. Inches	To Cut Hard Wire Rope, Stranded Guy Wire Diam. Inches	To Cut Soft Steel Wire, Diam. Inches	To Cut Soft Flat Bars, Inches	Length Overall Inches	Approximate Weight Pounds
614-S	$\frac{5}{16}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{7}{8} \times \frac{1}{8}$	14	$2\frac{1}{4}$
601-S	$\frac{7}{16}$	$\frac{5}{16}$	$\frac{9}{32}$	$1\frac{1}{4} \times \frac{3}{16}$	24	6
603-S	$\frac{5}{8}$	$\frac{1}{2}$	$\frac{3}{8}$	$1\frac{1}{2} \times \frac{1}{4}$	36	$12\frac{3}{4}$

Spare Parts on Pages 10 and 11

THE RECORD "CLIPPIT"

No. 618

A POWERFUL, VERSATILE TOOL, INVALUABLE TO GARAGES, CONTRACTORS, AND STRUCTURAL ENGINEERS

"Clippit" is a cutting tool of great power which can be used in a restricted space and yet compact enough to be carried in any tool kit.

"Clippit" is made in two types, the Angular Cut and the End Cut, as illustrated. The 618-AC has the cutting edges of the jaws set at an angle of 30° and the 618-EC is the Nipper type with the cutting edges at right angles to the tool.

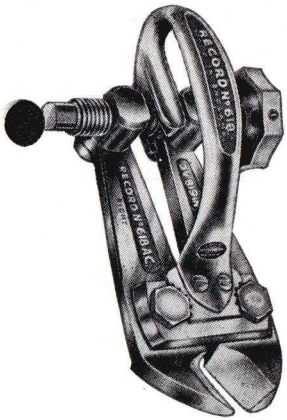
To ensure a Cutter to meet almost every cutting problem, we recommend the purchase of these tools in pairs.
(One Angular Cut and one End Cut).

OPERATION

Set the Jaws with the Hand Wheel until the cutting edges nip the material at right angles. Apply the load with a spanner on either end of the Power Screw, holding the "Clippit" in position by the Handle.

We recommend a standard ratchet spanner with
$\frac{1}{2}$" square socket for easy operation

RECORD "CLIPPIT"



No. 618—AC

ANGULAR CUT

Cutting Capacity:

$\frac{3}{8}$″ diameter bolts in the threads;

$\frac{5}{16}$″ diameter steel rods.

Length $7\frac{3}{4}$″; Weight $3\frac{1}{4}$ lbs.

No. 618—EC

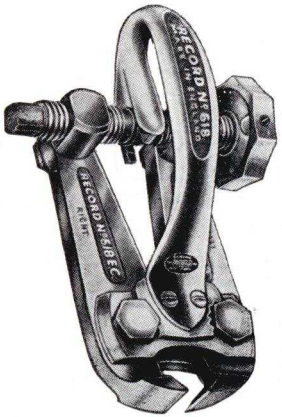
END CUT

Cutting Capacity:

$\frac{3}{8}$″ diameter bolts in the threads;

$\frac{5}{16}$″ diameter steel rods. Splitting and wedging off up to $\frac{3}{8}$″ standard nuts $\frac{11}{16}$″ width across flats.

Length 7″; Weight $3\frac{1}{8}$ lbs.

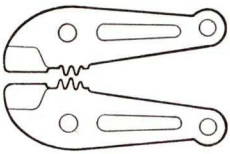
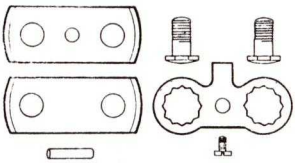
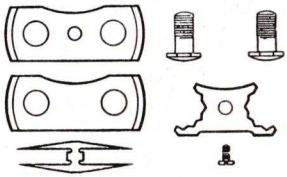
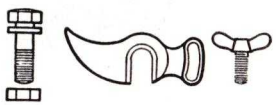


PARTS FOR RECORD CUTTERS

JAW ASSEMBLY

The normal demand for Spares will be for Jaw Assemblies or individual Jaws. When ordering always quote the number and letters which are clearly marked on each Jaw. Where single Jaws are ordered specify Right or Left as marked on the Jaw. Clipper Cut Jaws are supplied as standard unless any other type is specifically ordered, and they bear a number only.

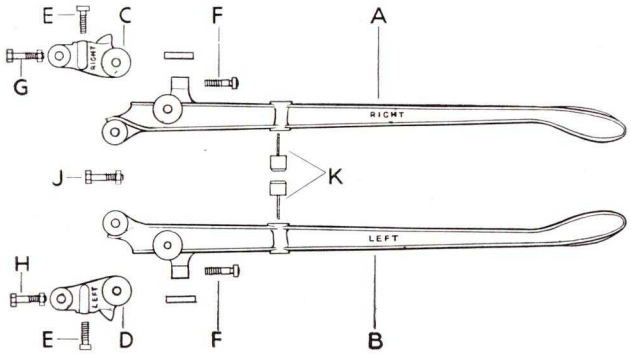
The remaining parts of the Jaw Assembly vary according to the number or type of the Cutter and the following table shows clearly the individual parts and the Cutters for which they are used. These parts should be ordered by quoting the names of the parts and the types and numbers of the Cutters for which they are required.

	Parts	For Cutters as below
	Jaws—right hand Jaws—left hand	All types of Jaws illustrated on page 2 are available singly or in pairs
	Top Strap Bottom Strap Right Strap Bolt (Left-hand Thread) Left Strap Bolt (Right-hand Thread) Locking Plate and Screw Jaw Centre Roller (604 only)	600 Clipper Cut 601 CC 602 SNS 603 SCC 604 HT 610 BC 614
	Top Strap Bottom Strap Right Strap Bolt (Left-hand Thread) Left Strap Bolt (Right-hand Thread) Locking Plate and Screw Spring (EC only)	614 EC 601 AC 603
	Jaw Connecting Bolt and Nut Finger Finger Thumb Screw	614 S 601 S 603 S

PARTS FOR RECORD CUTTERS

HANDLE ASSEMBLY

When ordering the parts illustrated below quote the name of the part and the number of the Cutter as stamped on the Handles and Adjusting Arms.



A—Handle, Right

B—Handle, Left

C—Adjusting Arm, Right

D—Adjusting Arm, Left

E—Arm Adjusting Screws

F—Handle Adjusting Screws

G—Connecting Bolt, Right (Left-hand Thread)

H—Connecting Bolt, Left (Right-hand Thread)

J—Central Connecting Bolt

K—Buffers with Washers and Rivets

RECORD CUTTERS

DIRECTIONS FOR SHARPENING AND ADJUSTING

Sharpening.—When the cutting edges of Standard Temper Jaws become worn they can be sharpened with a suitable smooth file, but care must be taken to preserve the original cutting angles as nearly as possible.

Jaws of Special Temper should be ground, care being taken not to "draw" the temper by overheating.

Adjustment.—After sharpening, the jaws of the tool will need readjustment to the correct cutting position, i.e., until they nearly meet or in the case of the Nut Splitter to the correct distance to allow the nut to be split without damaging the threads of the bolt. This adjustment is made by loosening the Handle Adjusting Screws AA and tightening the Arm Adjusting Screws BB until the jaws are in the correct cutting position, and then lock by tightening the screws AA.

If wear on the jaws necessitates dismantling the Cutting Head for sharpening, it can be removed from the Arms by unscrewing the Connecting Bolts CC, the Right Bolt being Left-hand Thread and the Left Bolt being Right-hand Thread.

After sharpening or dismantling clean and oil all parts well before re-assembling.

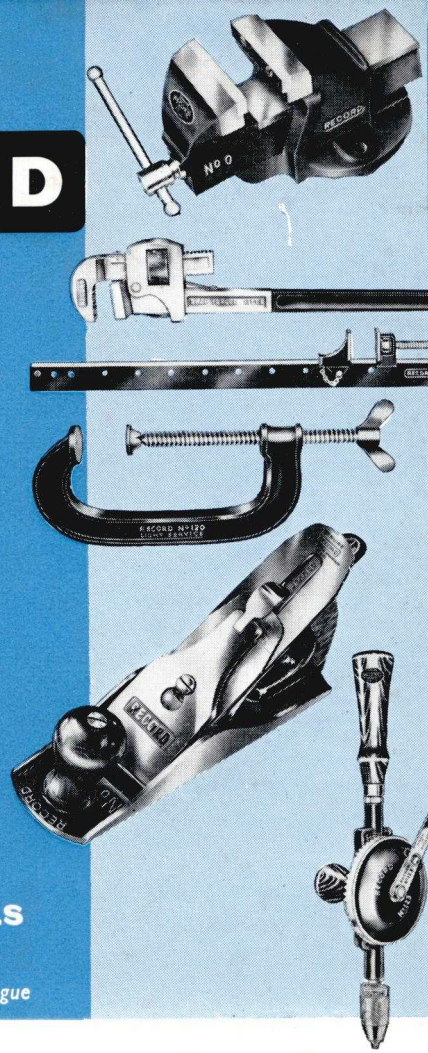
THE RANGE OF

RECORD

TOOLS

includes . . .

- VICES
- PIPE TOOLS
- CRAMPS
- PLANES
- HAND DRILLS



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